AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-12. (canceled)

13. (new) A telephone system connecting a private branch exchange (PBX) to plural telephones, the system comprising:

a PBX that transfers calls among the plural telephones connected to said PBX, said plural telephones including a first multifunction telephone and a second multifunction telephone;

a local area network (LAN) that transfers signals in packets;

a first adaptor that connects said PBX to said LAN, said first adaptor comprising,

a first interface connected to said PBX and a second interface connected to said LAN,

a signal class detector that detects a signal class of a signal from said second telephone addressed to said first telephone and received at said first interface of said first adaptor via said PBX, the signal class being one of control, tone and voice,

a packet preparation section that prepares a packet for transmission to said first telephone over said LAN via said

second interface of said first adaptor, the packet including the signal class of the signal from said second telephone, and

a signal classification section that identifies a signal class of a packet from said first telephone transferring a connection to said second telephone and received at said second interface of said first adaptor via said LAN and prepares a corresponding signal for transmission to said second telephone via said first interface of said first adaptor and said PBX; and

a second adaptor that connects said LAN to said first telephone, said second adaptor comprising,

a first interface connected to said first telephone and a second interface connected to said LAN,

a signal class detector that detects a signal class of a signal from said first telephone transferring a connection to said second telephone and received at said first interface of said second adaptor, the signal class being one of control, tone and voice,

a packet preparation section that prepares a packet for transmission to said second telephone over said LAN via said second interface of said second adaptor, the packet including the signal class of the signal from said first telephone, and

a signal classification section that identifies a signal class of a packet from said second telephone addressed to said first telephone and received at said second interface of said second adaptor via said LAN and prepares a corresponding

signal for transmission to said first telephone via said first interface of said second adaptor,

whereby a connection at the first telephone is transferred to the second telephone.

14. (new) A method of transferring connections among plural telephones connected to a private branch exchange (PBX), the plural telephones including a first multifunction telephone and a second multifunction telephone, where the first telephone is connected to the PBX through a local area network (LAN) that transfers signals in packets, the method comprising the steps of:

connecting the PBX to the LAN with a first adaptor in which a first interface is connected to the PBX and in which a second interface is connected to the LAN;

detecting a signal class of a signal from the second telephone addressed to the first telephone and received at the first interface of the first adaptor via the PBX, the signal class being one of control, tone and voice;

preparing a packet for transmission to the first telephone over the LAN via the second interface of the first adaptor, the packet including the signal class of the signal from said second telephone;

identifying a signal class of a packet from the first telephone transferring a connection to the second telephone and received at the second interface of the first adaptor via the LAN and preparing a corresponding signal for transmission to the

second telephone via the first interface of the first adaptor and the PBX;

connecting the LAN to the first telephone with a second adaptor in which a first interface is connected to the first telephone and a second interface is connected to the LAN;

detecting a signal class of a signal from the first telephone transferring a connection to the second telephone and received at the first interface of the second adaptor, the signal class being one of control, tone and voice;

preparing a packet for transmission to the second telephone over the LAN via the second interface of the second adaptor, the packet including the signal class of the signal from the first telephone; and

identifying a signal class of a packet from the second telephone addressed to the first telephone and received at the second interface of the second adaptor via the LAN and preparing a corresponding signal for transmission to the first telephone via the first interface of the second adaptor,

whereby a connection at the first telephone is transferred to the second telephone.